

# Comparisons of Job Characteristics

**Focus Occupation:** [First-Line Supervisors of Mechanics, Installers, and Repairers \(49-1011\)](#)  
**Associated Occupation:** [Boilermakers \(47-2011\)](#)

[Compare Knowledge](#)  
[Compare Skills](#)  
[Compare Abilities](#)  
[Compare Detailed Work Activities](#)  
[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 74

**Focus Occupation:** First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)  
**Associated Occupation:** Boilermakers (47-2011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	17.5	19.8	>	Current knowledge level is likely sufficient
Building and Construction	4.0	13.8	9.3	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	12.6	12.2	0	Current knowledge level may be sufficient
Design	5.2	11.9	9.1	<<	Extensive education and/or training may be required
Physics	4.3	7.6	6.7	<	Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 35

**Focus Occupation:** First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)  
**Associated Occupation:** Boilermakers (47-2011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation and Control	5.4	11.4	8.5	<<	Extensive development of skills in this area may be required
Operation Monitoring	6.6	11.1	10.1	0	Current skill level may be sufficient
Quality Control Analysis	5.9	10.6	11.6	0	Current skill level may be sufficient
Troubleshooting	4.5	9.6	10.4	0	Current skill level may be sufficient
Equipment Maintenance	3.5	9.3	10.1	0	Current skill level may be sufficient
Repairing	3.4	9.2	10.0	0	Current skill level may be sufficient
Equipment Selection	3.3	8.0	7.5	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 66			
Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011) Associated Occupation: Boilermakers (47-2011)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Arm-Hand Steadiness	6.8	11.8	8.7	<<	Extensive improvement in abilities may be required
Control Precision	6.6	11.5	9.1	<	Some improvement in abilities may be required
Manual Dexterity	6.5	10.4	7.7	<<	Extensive improvement in abilities may be required
Multilimb Coordination	6.0	10.3	9.0	<	Some improvement in abilities may be required
Reaction Time	4.8	8.9	7.0	<	Some improvement in abilities may be required
Extent Flexibility	4.8	8.7	5.3	<<	Extensive improvement in abilities may be required
Response Orientation	4.0	7.7	6.5	<	Some improvement in abilities may be required
Gross Body Equilibrium	3.2	6.6	3.8	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 58
Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011) Associated Occupation: Boilermakers (47-2011)		
Work Activities	Exclusivity of Activity	
Determine installation, service, or repair needed	58	
Inspect machinery or equipment to determine adjustments or repairs needed	42	
Read blueprints	10	
Read specifications	23	
Read technical drawings	7	
Understand technical operating, service or repair manuals	6	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 67

**Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)**  
**Associated Occupation: Boilermakers (47-2011)**

Tools and Technologies	Exclusivity
Business function specific software	1
Computers	1
Content authoring and editing software	1
Industry specific software	1
Personal communication devices	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.